

From: "Coffey, Scott" <CoffeySE@cdmsmith.com>  
To: "Zhen, Davis" <Zhen.Davis@epa.gov>  
CC: "Sheldrake, Sean" <sheldrake.sean@epa.gov>  
"Stuesse, Gregory L." <stuessegl@cdmsmith.com>  
younghs@cdmsmith.com  
"Trump, Julee M." <trumpjm@cdmsmith.com>  
"Silvertooth, Jason R." <silvertoothjr@cdmsmith.com>  
"Vickstrom, Kyle E." <vickstromke@cdmsmith.com>  
"John Kern" (b) (6)  
"Greazel, Andrew" <GreazelAD@cdmsmith.com>

Date: 5/11/2018 4:11:18 PM

Subject: RE: 2 bowl method and Pre-RD Group Sample Management Issue

---

Thank you Davis!

Will do.

Scott

---

From: Zhen, Davis <Zhen.Davis@epa.gov>  
Sent: Friday, May 11, 2018 4:09 PM  
To: Coffey, Scott <CoffeySE@cdmsmith.com>  
Cc: Sheldrake, Sean <sheldrake.sean@epa.gov>; Stuesse, Gregory L. <stuessegl@cdmsmith.com>; Young, Howard S. <younghs@cdmsmith.com>; Trump, Julee M. <trumpjm@cdmsmith.com>; Silvertooth, Jason R. <silvertoothjr@cdmsmith.com>; Vickstrom, Kyle E. <vickstromke@cdmsmith.com>; John Kern (b) (6); Greazel, Andrew <GreazelAD@cdmsmith.com>  
Subject: Re: 2 bowl method and Pre-RD Group Sample Management Issue

Scott, I spoke to Ken about this and asked him to work with his crew and principals to protect the integrity of their samples. Meanwhile, we will document to the extend possible samples taken under these conditions.

Thanks,

Sent from my iPhone, please excuse typos

\*\*\*\*\*

Davis Zhen, Manager  
Site Cleanup Unit 2  
Office of Environmental Cleanup  
1200 Sixth Avenue Suite 155  
M/S ECL – 122, Seattle, WA 98101  
Tel: (206) 553-7660  
Cell: (206) 437-5826  
\*\*\*\*\*

On May 11, 2018, at 9:28 AM, Coffey, Scott <CoffeySE@cdmsmith.com> wrote:

Davis and Sean.

The Pre-RD Group field crew have recently raised a concern over performing the 2 bowl method, which they are currently complying with when encountering hard sediment conditions. Their concern is that the 2 bowl sampling method requires them to leave grab samples in bowls on the deck under the hot sun for too long and possibly risk volatilization and cause compromised results. Our oversight staff have suggested some troubleshooting options, such as bringing additional coolers, or use containers to shade and temporarily store the sample grabs until a composite is chosen, but the field crew have replied that

they don't have room for this.

It is understood that space on the boat is limited, but I feel the Pre-RD field crew is trying to create issues about performing the 2 bowl sampling methodology in order to stop performing the method. In my opinion, limited space for coolers, or proper storage for collecting and holding additional bowls for the compositing of 2 samples should not be an excuse to not perform the sampling method and the Pre-Group should either get a bigger boat, or an additional boat for accommodating proper management of the samples.

We are noting in our field logbooks when these situations occur, so that we can flag these sample locations as having been possibly compromised by improper sample management by the Pre-RD Group.

Scott

*Scott Coffey, L.Hg.*

*Hydrogeologist*

CDM Smith | consulting engineering construction operations

14432 SE Eastgate Way, Suite 100 | Bellevue, WA 98007

phone: (425) 519-8320 | mobile (206) 503-1512

email: [coffeyse@cdmsmith.com](mailto:coffeyse@cdmsmith.com) | [www.cdmsmith.com](http://www.cdmsmith.com)